

Abstract

Disclosed herein is a wheelchair control sensor for controlling a powered wheelchair for spinal cord-injured persons, who are incapable of using their hands, using movement of shoulders. The wheelchair control sensor includes two shoulder straps, two casings, two
10 Force Sensitive Resistor (FSR) sensors, pressing balls, and a waist belt. The casings each have an internal space defined by an inclined surface. The FSR sensors are attached to the inclined surfaces of the casings or surfaces opposite to the inclined surfaces. The pressing balls are connected to the shoulder straps to press the FRS sensors while being moved through the internal spaces of the casings by external force. The waist belt is worn
15 on an upper garment with the two casings spaced apart from each other at a certain interval.